

SL4J Logging exercises

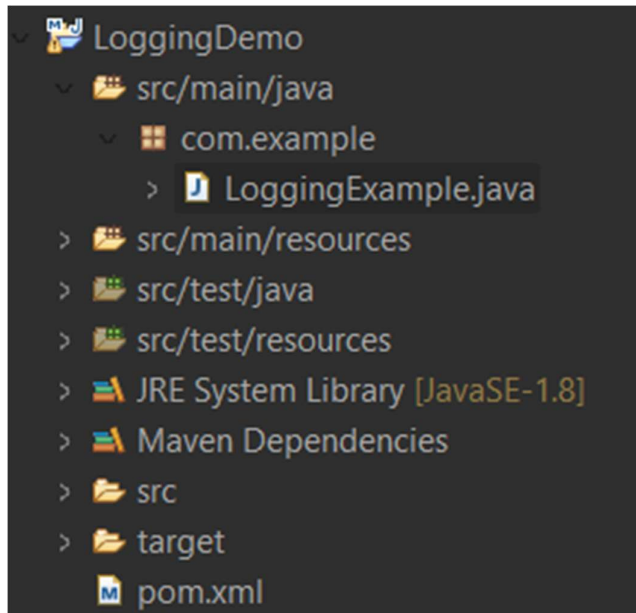
Exercise 1: Logging Error Messages and Warning Levels

Task: Write a Java application that demonstrates logging error messages and warning levels using SLF4J.

Step-by-Step Solution:

1. Add SLF4J and Logback dependencies to your `pom.xml` file

The below is the Project Explorer of my Maven Project



As I am using Maven project I have added dependencies to my pom.xml

```
https://maven.apache.org/xsd/maven-4.0.0.xsd (xsi:schemaLocation)
1 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www
2   <modelVersion>4.0.0</modelVersion>
3   <groupId>com.example</groupId>
4   <artifactId>LoggingDemo</artifactId>
5   <version>0.0.1-SNAPSHOT</version>
6   <dependencies>
7   |
8   <dependency>
9     <groupId>org.slf4j</groupId>
10    <artifactId>slf4j-api</artifactId>
11    <version>1.7.30</version>
12  </dependency>
13
14  <dependency>
15    <groupId>ch.qos.logback</groupId>
16    <artifactId>logback-classic</artifactId>
17    <version>1.2.3</version>
18  </dependency>
19 </dependencies>
20
21 </project>
```

Created a class name LoginExample.java

```
1 package com.example;
2
3 import org.slf4j.Logger;
4 import org.slf4j.LoggerFactory;
5
6 public class LoggingExample {
7
8   private static final Logger logger = LoggerFactory.getLogger(LoggingExample.class);
9
10  public static void main(String[] args) {
11    logger.error("This is an error message");
12    logger.warn("This is a warning message");
13  }
14 }
15
```

The following has been successfully printed on the console

```
terminated> LoggingExample [java Application] C:\Program Files\Java\jdk-22\bin\java.exe (23 Jun 2023)
15:16:33.630 [main] ERROR com.example.LoggingExample - This is an error message
15:16:33.634 [main] WARN com.example.LoggingExample - This is a warning message
```